

LAB Group Work Estimating

Question How well can you estimate length and mass?

Procedure

1. Choose three small objects in the classroom.
Write the names of the objects on index cards.
2. Measure the length and mass of each object. Write the length and mass of each object on its card.
3. A student draws a card and tries to find a classroom object the same length without measuring.
4. Another person from the group measures the object and records the lengths of both objects in the table below.
5. Use numbers to find the difference between the two lengths.

Materials

- pencil
- metric ruler
- balance
- objects to measure
- index cards

Length of object on card (in cm)	Length of classroom object (in cm)	Difference

6. After length, repeat the game using the mass of each object.

Mass of object on card (in grams)	Mass of classroom object (in grams)	Difference

Analysis

1. Interpret your data. Which trial produced the smallest difference? Which produced the largest difference?

2. How would you change this activity to estimate the volume of different cups of water?
